



### *Windows PowerShell Get-Help on Cmdlet 'Get-NetNat'*

***PS:\>Get-HELP Get-NetNat -Full***

#### NAME

Get-NetNat

#### SYNOPSIS

Gets NAT objects.

#### SYNTAX

Get-NetNat [[-Name] <String[]>] [-AsJob] [-CimSession <CimSession[]>] [-ThrottleLimit <Int32>] [<CommonParameters>]

#### DESCRIPTION

The Get-NetNat cmdlet gets Network Address Translation (NAT) objects configured on a computer. NAT modifies IP address and port information in packet headers.

Specify a value for the Name parameter to get specific NAT objects. To get all the NAT objects for a computer, do not include the Name parameter. You can use this

cmdlet to get NAT objects to modify by using the Set-NetNat cmdlet or NAT objects to remove by using the Remove-NetNat cmdlet.

## PARAMETERS

**-AsJob** [<SwitchParameter>]

Runs the cmdlet as a background job. Use this parameter to run commands that take a long time to complete.

The cmdlet immediately returns an object that represents the job and then displays the command prompt. You can continue to work in the session while the job

completes. To manage the job, use the ``*-Job`` cmdlets. To get the job results, use the `Receive-Job` (<https://go.microsoft.com/fwlink/?LinkID=113372>) cmdlet.

For more information about Windows PowerShell background jobs, see `about_Jobs` (<https://go.microsoft.com/fwlink/?LinkID=113251>).

|                             |       |
|-----------------------------|-------|
| Required?                   | false |
| Position?                   | named |
| Default value               | False |
| Accept pipeline input?      | False |
| Accept wildcard characters? | false |

**-CimSession** <CimSession[]>

Runs the cmdlet in a remote session or on a remote computer. Enter a computer name or a session object, such as the output of a `New-CimSession`

(<https://go.microsoft.com/fwlink/p/?LinkId=227967>) or `[Get-CimSession]`(<https://go.microsoft.com/fwlink/p/?LinkId=227966>) cmdlet. The default is the current session on the local computer.

|                             |       |
|-----------------------------|-------|
| Required?                   | false |
| Position?                   | named |
| Default value               | None  |
| Accept pipeline input?      | False |
| Accept wildcard characters? | false |

**-Name** <String[]>

Specifies an array of names of NAT objects.

|                             |                       |
|-----------------------------|-----------------------|
| Required?                   | false                 |
| Position?                   | 0                     |
| Default value               | None                  |
| Accept pipeline input?      | True (ByPropertyName) |
| Accept wildcard characters? | false                 |

#### **-ThrottleLimit <Int32>**

Specifies the maximum number of concurrent operations that can be established to run the cmdlet. If this parameter is omitted or a value of `0` is entered, then

Windows PowerShell calculates an optimum throttle limit for the cmdlet based on the number of CIM cmdlets that are running on the computer. The throttle limit applies only to the current cmdlet, not to the session or to the computer.

|                             |       |
|-----------------------------|-------|
| Required?                   | false |
| Position?                   | named |
| Default value               | None  |
| Accept pipeline input?      | False |
| Accept wildcard characters? | false |

#### **<CommonParameters>**

This cmdlet supports the common parameters: Verbose, Debug, ErrorAction, ErrorVariable, WarningAction, WarningVariable, OutBuffer, PipelineVariable, and OutVariable. For more information, see [about\\_CommonParameters \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

#### **INPUTS**

None

#### **OUTPUTS**

## NOTES

- Example 1: Get all the NAT objects for the current computer -

```
PS C:\> Get-NetNat
```

This command gets all the NAT objects for the current computer.

## RELATED LINKS

Online

Version:

[https://learn.microsoft.com/powershell/module/netnat/get-netnat?view=windowsserver2022-ps&wt.mc\\_id=ps-gethelp](https://learn.microsoft.com/powershell/module/netnat/get-netnat?view=windowsserver2022-ps&wt.mc_id=ps-gethelp)

New-NetNat

Remove-NetNat

Set-NetNat